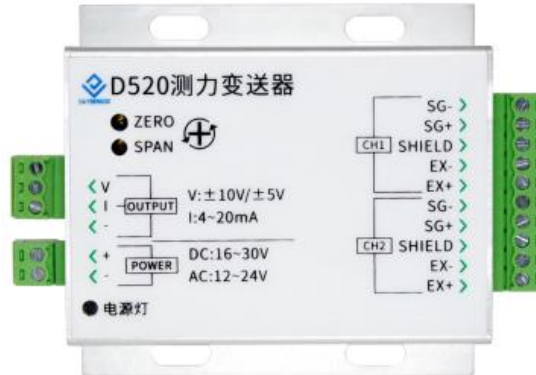


## Type AM-D520 Measuring force transmitter



### Product appearance and wiring definition

#### Function parameters:

- A、 The input range is wide and 0.4~6mV/V, matches most of the strain bridge sensors
- B、 Strong load capacity, with 4350  $\Omega$  sensors
- C、 High response frequency and good long-term stability. The comprehensive accuracy reached  $\pm 0.05\%FS$
- D、 Input power reverse protection
- E、 Supply power 16~30VDC (24VDC recommended) or 12~ 24VAC
- F、 Suitable for various strain bridge sensors including pressure, pull pressure and torque tension

ZERO		Zero-point adjustment potentiometer
SPAN		Full-degree adjustment potentiometer
OUTPUT	V	output voltage $\pm 10V$ 、 $\pm 5V$
	I	Output 0~20mA、4~20mA
	-	ground lead
POWER	+	V+
	-	V-
CH1/CH2	SG-	signal-
	SG+	signal+
	SHIELD	shield line
	EX-	excitation -
	EX+	excitation +

## Type AM-D520

### Technical parameters:

power : 16~30VDC 或 12~24VAC

input sensitivity : 0.4~6mV/V

Sensor excitation voltage : 5VDC

Comprehensive accuracy :  $\leq \pm 0.05\%FS$

rated output : 0~5v、0~10v、0~±5v、0~±10v、0~20mA、4~20Ma

cut-off frequency : one-level 1KHZ、two stage

100HZ(There are two cutoff frequencies

available, Default 100HZ cutoff frequency leave

the factory, 1KHZ Order should be noted)

working temperature : -20°C ~60°C

levels of protection : IP64

### Use method:

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- 1.Connect the line according to the wiring requirements
- 2.Turn on the specified DC size to the transmitter
- 3.Connect to the sensor, adjust it by the zero adjustment potentiometer to the corresponding zero output value (e. g.,0~10v output, i. e., to 0.000v)
- 4.After zero is adjusted, the sensor load (preferably the maximum value of the range) and then the gain potentiometer to the corresponding value (e. g., 0~10v input to 10.000v) can also be adjusted to any value as needed.
- 5.After the parameter adjustment (the calibration should be repeated 2-3 times) and confirmed, disconnect the power supply.
- 6.Seal the adjustment potentiometer screws with coagulants such as wax or nail polish to prevent jitter



# Type AM-D520

Dimensions in mm

product size

